

**ABSTRACT**

A method of determining an orientation of a respective object, the object having an interface surface having coded data disposed thereon or therein, wherein the coded data includes a plurality of coded data portions provided at respective positions on the interface surface, each coded data portion being indicative of an identity of the object, and wherein the method includes, in a sensing device:

- (a) sensing at least one coded data portion;
- (b) generating, using the sensed coded data portion, indicating data indicative of the object identity and at least one of:
  - (i) a position of the sensed coded data portion;
  - (ii) a position of the sensing device relative to the interface surface;
  - (iii) an orientation of the sensed coded data; and,
  - (iv) an orientation of the sensing device relative to the interface surface; and,
- (c) transferring the indicating data to a computer system, the computer system being responsive to the indicating data to determine the orientation of the object.